

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claim 17, 18 and 20 are requested to be canceled without prejudice or disclaimer.

Claims 1, 11-16, and 19 are currently being amended.

New claims 21-25 are being added

This amendment changes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending the claims as set forth above, claims 1-16, 19 and 21-25 are now pending in this application.

Rejections under 35 U.S.C. 102

The Examiner rejected claims 1-8, 10-11 and 13-20 under 35 U.S.C. 102 as being anticipated by U.S. Patent No. 5,930,706 to Raith. As to canceled claims 17, 18 and 20, the rejection is moot. Applicant respectfully disagrees and traverses the rejection of claims 1-8, 10-11, 13-16 and 19 for at least the following reasons.

As noted in an earlier paper by Applicant, embodiments of the present invention relate to methods and systems for providing a broadcast or multicast service to a terminal device in a data network such that a connection state of the terminal device is switched to a dedicated channel state in response to a broadcast service notification. Thereby, point-to-point connections can be used for data transmission of broadcast or multicast services without requiring any additional responses from the concerned terminal devices.

By contrast, Raith discloses an efficient sleep mode operation of a mobile terminal which allows the mobile station to stay in sleep mode when there is no change in the structure parameters of a cell specific digital control channel (DCCH). A separate point-to-multipoint channel (BCCH) is used for broadcasting structure parameters to decouple the requirement of

a mobile station by periodically reading the overhead information for efficient sleep mode operation from the requirement of the system which periodically reads the BCCH transmission for fast acquisition at the cell station. The mobile station reads only changed BCCH information and can stay in sleep mode when there is no change in the BCCH information.

In the “Response to Arguments” section, the Examiner argues that the PCH and the BCCH are part of the DCCH, referring to Fig. 3 and col. 23, lines 25-32 of Raith. Applicant respectfully further disagrees with this interpretation of the disclosure of Raith.

Each radio frequency (RF) channel of Raith is time division multiplexed into a series of repeating time slots. See e.g., Raith, col. 3, lines 52-57. Figure 3 of Raith illustrates a DCCH superframe which includes at least three logical channels, BCCH, PCH and ARCH. This cannot be interpreted to disclose that the BCCH and the PCH are part of the DCCH. In fact, the BCCH and PCH are separate broadcast channels, while the DCCH is a cell specific channel dedicated to the mobile station. See e.g., Raith col. 5, lines 1-5.

Thus, Raith fails to teach or suggest at least the above-noted feature of independent claims 1, 11, 16 and 19. Therefore, claims 1, 11, 16 and 19 are patentable. Claims 2-8, 10 and 13-15 each depend, either directly or indirectly, from one of allowable claims 1 or 11 and are, therefore, patentable for at least that reason, as well as for additional patentable features when those claims are considered as a whole.

Rejections under 35 U.S.C. 103

Claims 9 and 12 were rejected under 35 U.S.C. 103 (a) as being unpatentable over Raith in view of U.S. Publication No. 20020126636 to Chen. Claims 9 and 12 each depend from one of independent claims 1 or 11 and are, therefore, patentable for at least that reason, as well as other patentable features when those claims are considered as a whole.

New Claims

New claims 21-25 have been added to recite the invention from additional perspectives. Support for the subject matter of new claims 21-25 may be found in the

originally filed specification and drawings. No new matter is introduced. Claims 21-25 are believed to be patentable for reasons similar to those noted above.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

Date July 15, 2008

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